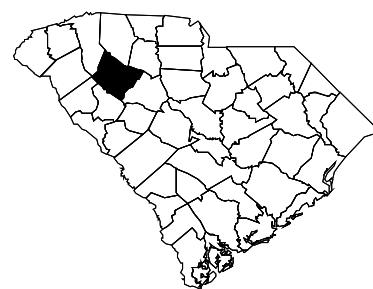


IMPACT OF CHRONIC CONDITIONS LAURENS County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Laurens county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Laurens county's population is similar to the state population. The majority (37%) of the population in Laurens county are between the ages of 18-44, and there are more females (51%) than males (49%). However, Laurens county's minority population (27%) is lower than the state (31%). When adults in DHEC's Region 1, which includes Laurens County, were asked about their general health status, 79.3% reported having excellent, very good, or good health in 2005 (SC was 82%).

	LAURENS COUNTY	STATE
Population size	70,293	4,255,083
Age distribution (%)		
<18	24	24
18-44	37	38
45-64	26	25
65-84	12	11
85+	2	2
Race (%)		
White	73	69
Black & Other	27	31
Sex (%)		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Laurens County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	23	22
Sedentary lifestyle	39	26
Overweight	83	65
High Cholesterol	36	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	39.4	.	.	.	.	31.7
Number of hospitalizations	64	33	30	27	37	5,032
Crude rate of hospitalizations (per 100,000)	91	176	58	79	103	118
Median age of hospitalized patients	62	52	75	60	62	57
Total cost of hospitalization (\$)	1,440,200	864,900	575,300	611,200	829,000	109,400,500
Average length of hospital stay (days)	6	7	5	5	6	5
Number of ED visits	162	93	69	59	103	7,466
Crude rate of ED visits (per 100,000)	230	495	134	172	286	175
Median age of ED patients	52	52	57	52	52	52
Total cost of ED visits (\$)	174,800	83,300	91,500	62,700	112,100	9,929,000
Number of deaths**	11	6	5	8	3	423
Age-Adjusted Death rate (per 100,000)**	15	38	8	27	6	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.8	.	.	.	.	4.1
Number of hospitalizations	987	209	777	524	463	60,901
Crude rate of hospitalizations (per 100,000)	1,404	1,112	1,509	1,528	1,286	1,431
Median age of hospitalized patients	67	62	67	62	72	67
Total cost of hospitalization (\$)	38,006,000	7,241,400	30,764,600	21,306,700	16,699,300	2,286,836,400
Average length of hospital stay (days)	5	5	5	4	5	5
Number of ED visits	336	120	216	155	181	12,989
Crude rate of ED visits (per 100,000)	478	638	419	452	503	305
Median age of ED patients	62	57	67	57	67	62
Total cost of ED visits (\$)	931,200	276,300	654,900	465,600	465,600	42,115,900
Number of deaths**	201	46	155	91	110	9,328
Age-Adjusted Death rate (per 100,000)**	273	294	269	325	237	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.9	.	.	.	.	3
Number of hospitalizations	236	62	174	117	119	13,925
Crude rate of hospitalizations (per 100,000)	336	330	338	341	331	327
Median age of hospitalized patients	72	67	72	67	72	72
Total cost of hospitalization (\$)	5,654,900	1,735,400	3,919,500	2,942,100	2,712,800	384,441,600
Average length of hospital stay (days)	6	9	5	6	6	6
Number of ED visits	63	15	48	29	34	2,515
Crude rate of ED visits (per 100,000)	90	80	93	85	94	59
Median age of ED patients	72	57	72	67	75	67
Total cost of ED visits (\$)	180,700	42,400	138,300	78,100	102,600	9,113,000
Number of deaths**	44	12	32	19	25	2,440
Age-Adjusted Death rate (per 100,000)**	60	75	56	66	54	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	189	29	158	83	106	15,753
Crude rate of hospitalizations (per 100,000)	269	154	307	242	294	370
Median age of hospitalized patients	67	62	67	67	62	62
Total cost of hospitalization (\$)	3,409,500	573,400	2,836,100	1,386,100	2,023,400	268,425,300
Average length of hospital stay (days)	5	6	5	5	5	5
Number of ED visits	816	314	502	354	462	36,543
Crude rate of ED visits (per 100,000)	1,161	1,671	975	1,032	1,283	859
Median age of ED patients	37	32	42	32	42	37
Total cost of ED visits (\$)	629,500	206,700	422,800	283,500	346,000	40,613,700
Number of deaths**	42	5	37	20	22	1,968
Age-Adjusted Death rate (per 100,000)**	56	26	64	76	51	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	10.1	.	.	.	.	10.3
Number of hospitalizations	128	63	65	65	63	9,027
Crude rate of hospitalizations (per 100,000)	182	335	126	190	175	212
Median age of hospitalized patients	52	52	52	52	52	52
Total cost of hospitalization (\$)	2,493,100	1,125,300	1,367,800	1,260,200	1,232,900	179,747,700
Average length of hospital stay (days)	6	5	6	5	6	6
Number of ED visits	154	84	70	58	96	9,603
Crude rate of ED visits (per 100,000)	219	447	136	169	267	226
Median age of ED patients	52	50	52	50	52	52
Total cost of ED visits (\$)	211,600	102,800	108,800	72,300	139,300	13,447,300
Number of deaths**	31	8	23	14	17	1,183
Age-Adjusted Death rate (per 100,000)**	41	47	39	41	40	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	281	63	218	159	122	16,389
Crude rate of hospitalizations (per 100,000)	400	335	423	464	339	385
Median age of hospitalized patients	67	62	67	67	62	62
Total cost of hospitalization (\$)	9,522,400	1,958,600	7,563,800	5,545,900	3,976,500	664,309,500
Average length of hospital stay (days)	7	6	7	6	7	8
Number of deaths**	155	47	108	93	62	8,617
Age-Adjusted Death rate (per 100,000)**	206	292	184	300	141	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	50	12	38	15	35	2,070
Crude rate of hospitalizations (per 100,000)	71	64	74	44	97	49
Median age of hospitalized patients	62	52	62	62	62	67
Total cost of hospitalization (\$)	1,822,600	439,100	1,383,500	587,700	1,234,900	101,377,700
Average length of hospital stay (days)	8	8	8	8	8	10
Number of deaths**	15	8	7	4	11	812
Age-Adjusted Death rate (per 100,000)**	20	53	11	13	24	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	19	3	16	-	19	1,228
Crude rate of hospitalizations (per 100,000)	53	31	61	.	72	56
Median age of hospitalized patients	72	62	72	-	72	62
Total cost of hospitalization (\$)	350,600	44,300	306,300	-	350,600	26,163,000
Average length of hospital stay (days)	2	1	3	-	2	3
Number of deaths**	7	2	5	-	7	651
Age-Adjusted Death rate (per 100,000)**	16	21	13	-	16	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	3	2	1	-	3	192
Crude rate of hospitalizations (per 100,000)	8	21	4	-	8	9
Median age of hospitalized patients	62	62	82	-	62	47
Total cost of hospitalization (\$)	49,400	23,200	26,200	-	49,400	4,668,500
Average length of hospital stay (days)	3	2	5	-	3	4
Number of deaths**	1	1	-	-	1	63
Age-Adjusted Death rate (per 100,000)**	3	11	-	-	3	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	39	8	31	20	19	2,181
Crude rate of hospitalizations (per 100,000)	55	43	60	58	53	51
Median age of hospitalized patients	67	67	67	67	67	67
Total cost of hospitalization (\$)	1,730,200	387,100	1,343,100	817,900	912,300	92,775,300
Average length of hospital stay (days)	8	11	8	7	10	9
Number of deaths**	51	13	38	33	18	2,703
Age-Adjusted Death rate (per 100,000)**	66	78	63	99	42	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	34	8	26	34	-	1,209
Crude rate of hospitalizations (per 100,000)	99	87	103	82	-	58
Median age of hospitalized patients	67	65	72	67	-	62
Total cost of hospitalization (\$)	725,000	228,100	496,900	725,000	-	30,356,600
Average length of hospital stay (days)	3	3	3	3	-	4
Number of deaths**	12	6	6	12	-	460
Age-Adjusted Death rate (per 100,000)**	46	114	31	46	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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